

“CHALLENGES IN COCHLEAR IMPLANT SURGERY AND POST OPERATIVE FOLLOW - UP”

ABSTRACT

OBJECTIVE

Purpose of this study was to assess the intra and post-operative challenges related to cochlear implant surgery.

STUDY DESIGN

Cross sectional study

MATERIALS & METHODS:

All cochlear implant surgeries performed in our institution RGGGH-UIORL between Sep 2016 – Aug 2018. Total population of 250 were studied, preoperative evaluation included, HRCT Temporal bone with serial axial and coronal cuts, MRI Brain with internal auditory meatus screening, general, physical, systemic examination and anaesthetic fitness of the patient were studied.

RESULTS

Cochlear implant is a safe hearing rehabilitation surgical technique with less challenges, however the surgeons must be familiar with these challenges in order to prevent minor and major challenges. various challenges are highlighted and techniques evolved in order to overcome those challenges.

KEYWORDS:

High Resolution Computed Tomography, Magnetic Resonance MRI, Sensory Neural Hearing Loss, Cochlear Implant.